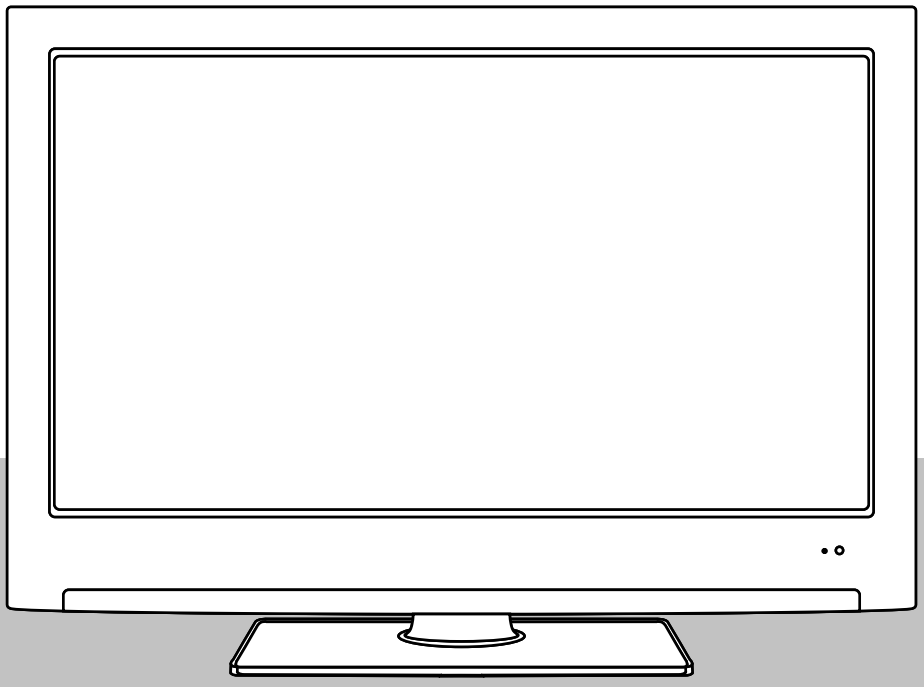
Lenco

INSTRUCTION MANUAL

55.5cm (22”) Full HD LED TV WITH DVB-S2,H.264,DVB-T/C AND CI

Model No.: LED-2217



Read all of the instructions before using this TV and keep the instruction manual in a safe place for future reference.

For information and support, www.lenco.eu

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Introduction

Thank you for purchasing this LED TV which has been designed and manufactured to give you many years of trouble free service.

You may already be familiar with using a similar product but please take time to read these instructions which have been written to ensure you get the very best from your purchase.

HDMI

HDMI (High Definition Multimedia Interface) is the next generation of digital interface. Unlike conventional connections, it transmits uncompressed digital and audio signals using a single cable. This TV supports high-definition video input via the HDMI socket on the back of the TV.

Safety is important

To ensure your safety and the safety of others, please read the safety precautions BEFORE you operate this product.

Disclaimer

The illustrations of the LED-TV, accessories and menus shown in this User's Manual may differ from the actual product.

SAFETY INFORMATION

IMPORTANT SAFETY INSTRUCTIONS - READ CAREFULLY BEFORE USE.
Take note of the following safety information which appears on the back of the TV.

CAUTION: TO PREVENT ELECTRICAL SHOCK, DO NOT REMOVE ANY COVER SCREWS, NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates that there are important operating maintenance instructions in the literature accompanying this unit.

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

Keep these instructions

- Do not use this TV near water.
- Clean only with a slightly damp cloth.
- Do not block any ventilation openings.
- Install in accordance with the supplied Quick Start Guide and this User Guide.
- Protect the power chord from being walked on or pinched, particularly at plugs, and the point where it exits from the TV.
- Do not allow the power chord to overhang the edge of a table.
- Unplug this TV during lightening storms or when unused for long periods of time.

WARNING! TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS TV TO RAIN OR MOISTURE. THE TV MUST NOT BE EXPOSED TO DRIPPING AND SPLASHING AND NO OBJECTS FILLED WITH LIQUIDS SHOULD BE PLACED ON THE TV.

NOTE: No naked flames such as candles should be placed on the TV.
NOTE: When displaying the same still picture for more than 2 hours without any interruption, the picture contours of the continuously displayed contents may remain visible on screen, i.e. a persistant image remains. The same applies, when displaying for more than 2 hours:

- the same background/wallpaper
- logos, video games, computer images, Teletext
- contents with a non-filling aspect ratio (e.g. 4:3 format)

These do not represent any malfunction and will not be covered by the manufacturer's warranty

This unit has been produced according to all current safety regulations. The following safety tips should safeguard users against careless use and the dangers connected with such use.

- Although this appliance has been carefully manufactured and rigorously checked prior leaving the factory, as with all electrical appliances it is possible for problems to develop. If you notice smoke, an excessive build up of heat or any other unexpected phenomena, you should disconnect the plug from the mains power socket immediately.
- Ensure that the unit is sufficiently ventilated! Never place next to or underneath curtains!
- The mains plug or appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- This set should only be connected to a mains power supply which matches that stated on the label on the rear of the TV - do not attempt to connect it to any other type of supply.
- The socket - outlet must be installed near the equipment and easily accessible.
- To prevent overload, don't share the same mains supply socket with too many other items of equipment.
- Apparatus with Class 1 construction shall be connected to a mains socket outlet with a protective earth connection.
- Keep away from rodents. Rodents enjoy biting into electric flexes.
- Always hold the plug when pulling out the plug from the mains supply socket. Do not pull on the flex, the flex can become overloaded and cause a short circuit.
- Set up the unit so that no one is able to trip over the flex.
- Do not place heavy items on the flex, which may damage it.
- Take note that the flex cannot be reached and pulled by young children, avoiding injury.
- Do not set up the unit near to heat sources. The casing and the flex could be damaged by the impact of heat.
- The screen is made of plastic and can break if damage is done to it. Be careful when collecting sharp edged plastic splinters to avoid injury.
- Avoid placing the unit on any surfaces that may be subject to vibrations or shocks.
- To protect the unit during a thunderstorm unplug the AC power cable and disconnect the aerial. Caution: Do not touch the aerial (RF) connector.
- When you leave your home for long periods of time, unplug the AC power cable for safety reasons.
- The unit becomes warm when in operation. Do not place any covers or blankets on the unit in order to prevent overheating. The ventilation holes are not to be blocked. Do not set up near radiators. Do not place in direct sunshine. When placing on a shelf leave 5 cm (2") free space around the whole unit.
- Do not allow water or moisture to enter the TV. Do NOT use in wet or moist areas such as Bathrooms, steamy kitchens or near swimming pools.
- Do not use this unit when moisture condensation may occur
- Any repairs must be carried out by qualified personnel only.
- Do not open this unit. A non-expert attempting to repair the unit could be dangerous and potentially cause a fire hazard.
- Liquids spilt into the unit can cause serious damage. Switch the set OFF and disconnect the mains power supply, then consult a qualified service person before attempting to use the unit again.
- Do NOT remove the safety covers. There are no useable or serviceable parts inside. You may invalidate the warranty. Qualified personnel must only service this apparatus.
- Do NOT tap or shake the screen, you may damage the internal circuits. Take good care of the remote control, do not drop.
- Never place hot objects or open flame sources on or close to the TV.
- High temperatures can melt plastic and lead to fires.
- To clean the TV use a soft dry cloth. Do NOT use solvents or petrol based fluids. For stubborn stains, you may use a damp cloth with dilute detergent.

Headphone Warning

Loud music can damage your hearing irreversibly, therefore do not set the volume to a high level when listening through headphones, particularly for lengthy listening periods.

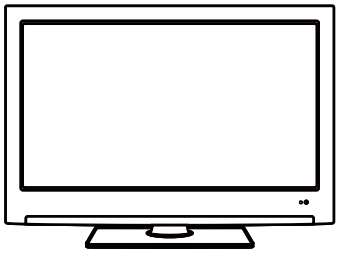
Where to install

Locate the television away from direct sunlight and strong lights, soft indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen. Place the TV on a sturdy platform of which the surface should be flat and steady. This will prevent it from falling over.
Make sure the television is located in a position where it cannot be pushed or hit by objects, as pressure will break or damage the screen, and so that small objects cannot be inserted into the ventilation slots or openings in the cabinet.

LED Screen

The LED display panels are manufactured using an extremely high level of precision technology, however sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a sign of malfunction.

Unit and Accessories



TV set

Remote Control

Batteries for Remote Control

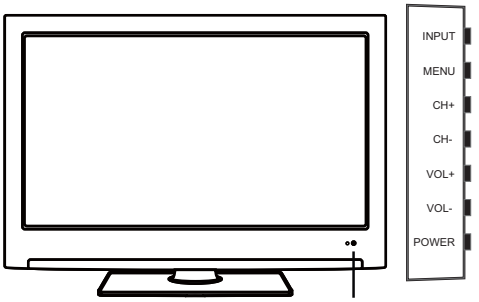
Converter cable for AV and YPbPr video

Mains cable

Mains adaptor

Getting Started

Front view



1). (IR) Infrared Receiver: Receives IR signals from the remote control.
(Power on/Standby)LED Indicator: Press **POWER** to turn on and off.

Indicator on(Blue)	Standby mode
Indicator on(Off)	Power on mode

The effective receiving range for the signal is 5-8 metres from the front of the remote control window, and 30^0 to the left or right side and 20^0 above or below the remote control window.

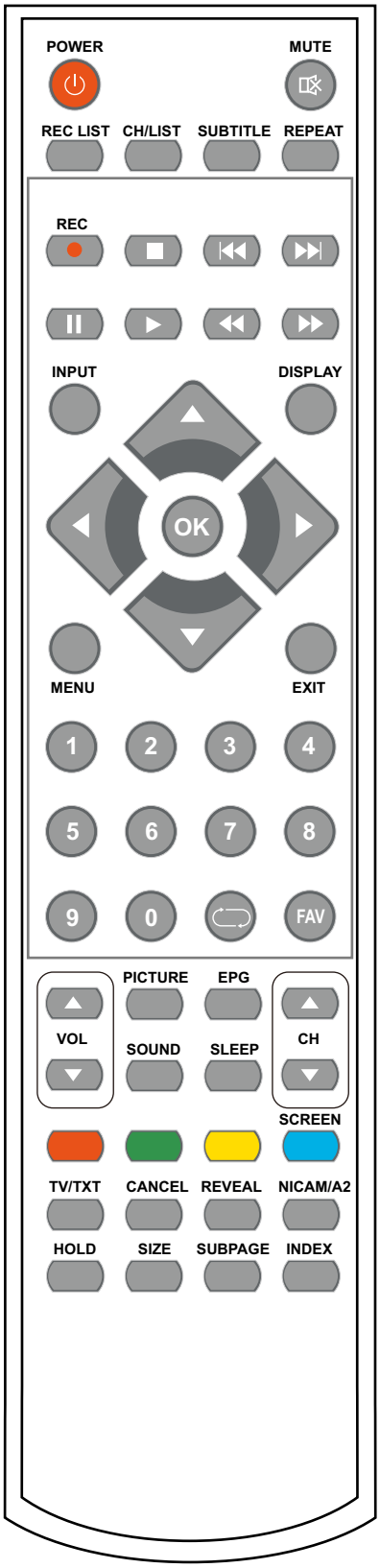
2).The functions of the buttons are described as bellows:
INPUT: Press to display the input source menu.
MENU: Press to display the OSD menu, press again to exit the menu.
CH+/-: Press to scan through channels.
VOL+/-: Press to adjust the volume.
POWER: Turn on/standby the TV set.

Packaging materials are no toys. Please keep away from children. Plastic bags can cause suffocation when pulled over the head.

This Television is designed to work with any DTV Antenna, Analog or Digital cable or a fixed Satellite Dish aligned with Astra 19.2E and fitted with a universal LNB.
Other Dishes and LNBs can be used but full set up is required. The Television is preset for the above fixed dish/LNB and when quickstart is used Astra 19.2E will be instantly tuned without need of a "search"

Remote control

The remote control is using Infra-Red(IR). Point it towards the front of the TV. The remote control may not work correctly if it is operated out of range or out of angle.



POWER: Turn the TV on/standby.
MUTE: Press to mute the sound, press again or press VOL+ to unmute.
REC LIST: Record List.
CH/LIST: Display the programs list.
SUBTITLE: Turn on/off the subtitle display in DTV mode
REP: Repeat playing the title or chapter.

REC ● : Press to start record the program in DTV mode.

■ : Stop program.
⏮ : Previous chapter.
⏭ : Next chapter.
⏸ : Pause program.
▶ : Play program.
◀◀ : Fast reverse.
▶▶ : Fast forward.

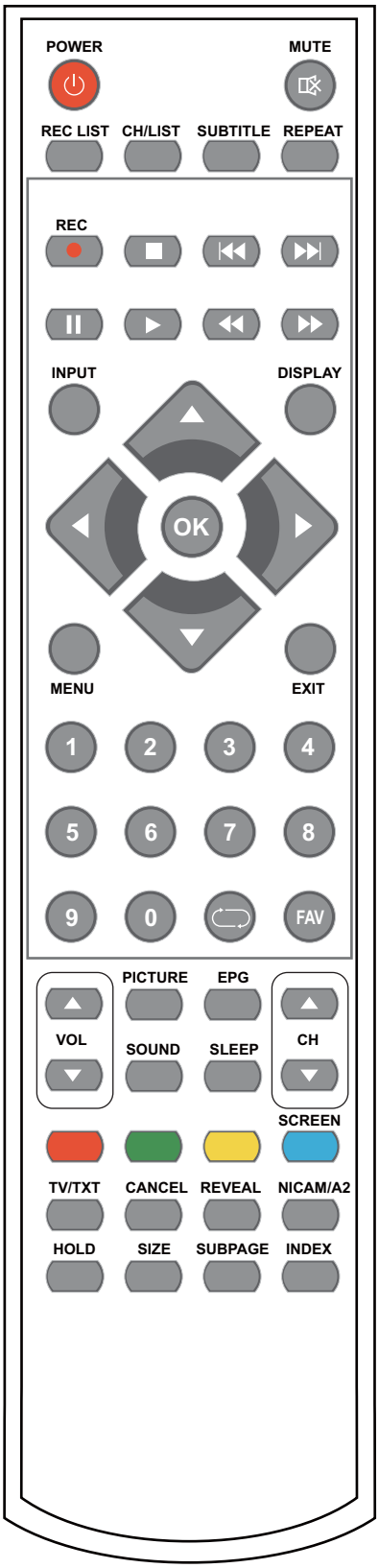
INPUT: Press to display the input source menu.
DISPLAY: Press to display the current mode's information.
MENU: System setup menu.
EXIT: Exit the OSD menu.
FAV: Display the favorite program list.

NUMBER BUTTONS
Press0-9 to select a TV channel directly when you are watching TV.

Return to the previous channel viewed.

CURSOR KEYS (▲/▼/◀/▶/ OK)
Allows you to navigate the on-screen menus and adjust the system settings to your preference.

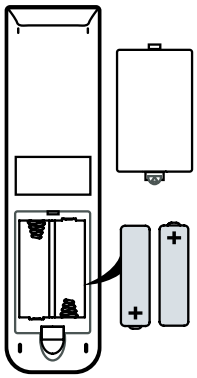
Remote control (continued)



CH▲/▼: Scan through channels.
VOL▲/▼: Adjust the volume.
PICTURE: Select the picture mode.
EPG: To show the Electronic Program Guide during no-menu state only in DTV mode.
SOUND: Select the sound mode.
SLEEP: Standby timer.
SCREEN: Turn on/off the screen.
TV/TXT: Turn off/on the Teletext display.
CANCEL: Cancel the Teletext display.
NICAM/A2: TV Nicam/A2 select.
REVEAL: Reveal any hidden text.
HOLD: Hold or carry on the current subpage.
SIZE: Press to see top half of page double size,
Press again to see the bottom
half of page double size. Press again for normal size.
SUBPAGE: Press to enter subpages, pressagain to cancel.
INDEX: Go to index.
Colour buttons:Short cuts-follow the coloured links in the text

Installing Batteries in the Remote Control

1. Remove the battery compartment cover at the rear of the remote control by pushing the retaining clip forward and pulling up.
2. Install the supplied batteries, ensuring the polarity matches what is shown in the battery compartment.
3. Replace the battery compartment cover.



Using the Remote Control

To use the remote control point it at the TV and press the required buttons. You must be within 6 meters and at an angle of less than 30 degrees from the center of the TV.

NOTE: Sunshine or other strong light sources may interfere with the signal from the remote control. In this situation turn the TV away from the light source.

WARNING! DO NOT LEAVE BATTERIES IN THE REMOTE CONTROL FOR EXTENDED PERIODS AS THEY CAN LEAK OR CORRODE CAUSING DAMAGE TO THE REMOTE CONTROL. CHECK THEM PERIODICALLY AND REPLACE THEM AS REQUIRED.

WARNING! DO NOT MIX BATTERY TYPES. WHEN INSERTING BATTERIES, REPLACE ALL BATTERIES AT THE SAME TIME. DO NOT MIX OLD AND NEW BATTERIES.

WARNING! EXHAUSTED BATTERIES MUST BE TREATED WITH CARE AND DISPOSED OF ACCORDING TO ANY SAFETY OR RECYCLING REGULATIONS IN FORCE IN YOUR LOCAL AREA, NEVER DISPOSE OF BATTERIES INTO GENERAL WASTE, OR FIRE.

WARNING! NEVER EXPOSE BATTERIES TO EXCESSIVE HEAT SUCH AS SUNSHINE, FIRE OR THE LIKE.

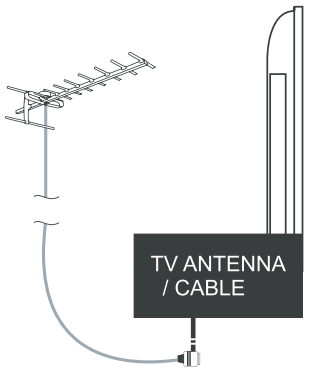
Aerial connection

WARNING! ENSURE THE TV AND ALL ANCILLARY EQUIPMENT IS UNPLUGGED FROM THE MAINS BEFORE MAKING ANY CONNECTIONS!

Connecting the TV Antenna

Connect the TV antenna to the aerial socket with a 75 ohm co-axial plug. For best results use a high gain TV aerial, preferably roof or loft mounted.

- To improve picture quality in a poor signal area, purchase and install a signal amplifier.
- If the antenna needs to be split for two TVs, use a 2-Way Signal Splitter (not supplied).



Connecting external devices

This instruction manual shows the simplest and most effective way of connecting your TV to ancillary equipment. Alternate methods are listed below.

HDMI Lead

You can connect this TV to a compatible device using a HDMI lead. This method will give the best picture.

Connect the cable from the HDMI equipment to the TV HDMI socket.

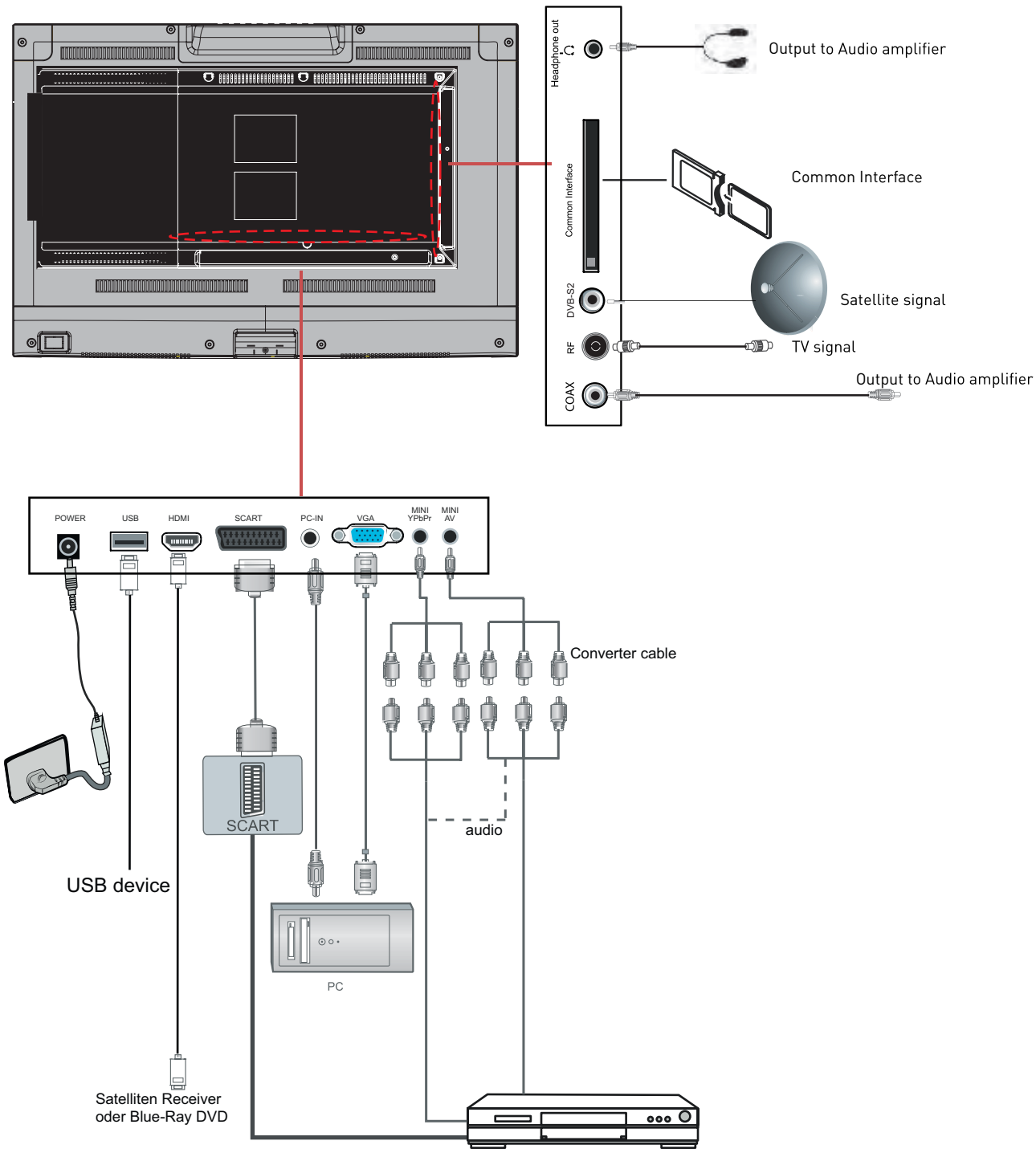
SCART Lead

You can connect this TV to a compatible device using a SCART lead. The connection uses component video signals, i.e. the red, green and blue (RGB) content of the video are sent on separate signals.

VGA Cable

You can use your TV as a monitor for your personal computer by using a VGA cable. Sound from your personal computer may also be played through the TV.

Connecting external devices (continued)



Connecting external devices (continued)

CONNECTIONS

Name	Function Description
POWER	Connect to power supply
HDMI	Connect to the HDMI output of your DVD or Satellite Box
DVB-S2	Connect to Satellite signal
VGA (PC IN)	Connect to the PC VGA output to display PC graphics
PC-IN	PC Audio input
Mini YpbPr	Connect to the YPbPr output on external devices
Mini AV	Connect to AV output on external devices
SCART	Connect to the SCART input / output of external devices
RF	Connect to TV signal cable
Head phone	Connect Head phone
CI	CI slot (Pay as you view card slot)
Coax	Output to audio amplifier
USB	Media playback and PVR

Caution:

Before connecting external devices:

- Makes sure to disconnect the appliances from the power supply in order to avoid any potential damage from occurring.
- Make sure to establish the required connection.
- Make sure that the connectors are properly and correctly attached before connecting the appliances to the power supply.

PC connection

As PCs are sometimes still supplied with a 'conventional' CRT monitor, you may need to adjust the display settings of your PCs graphics card, otherwise the pictures may not appear correctly. Switch on your PC (still with your original monitor connected) now select the screen resolution, and select 60Hz refresh rate. Switch off your PC, then connect it to your TV while both appliances are still switched off.

VGA, HDMI PC Connection

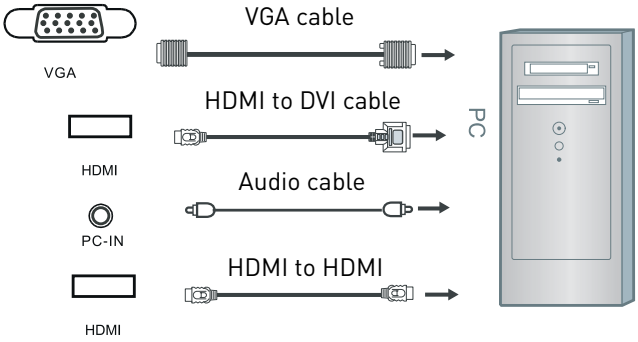
Use a PC-VGA cable (not supplied) to connect the TV to your PC. You can also use an HDMI cable to connect to your PC (if your PC Graphic card supports HDMI). When the HDMI cable is used, the PC audio cable is no longer required. If you use the HDMI to DVI cable, you will need to use the PC audio cable. Connect all cables carefully and do not bend or break the connector pins.

When using the VGA cable

- Switch on the TV
- Switch on the PC
- Select PC/VGA as input source

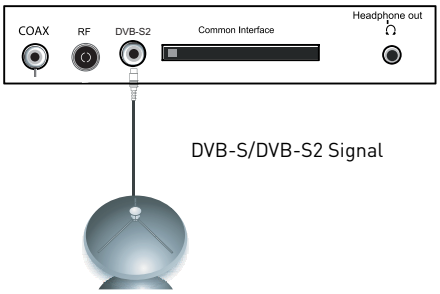
When using the HDMI cable

- Select HDMI as input source



(All illustrated cables are not supplied)

Satellite connection



Connect the DVB-S/DVB-S2 signal to the SATELLITE LNB on the TV SET. Select the SATELLITE input source using the INPUT button on the remote control.

Connecting Video camera and Video recorder

Video camera

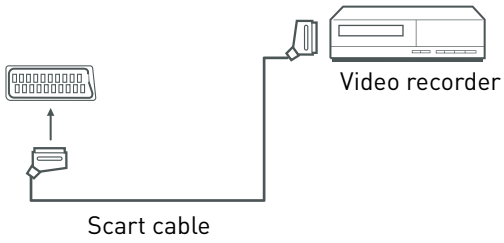
- Connect the AV cable to the TV and to the video camera.
- Turn on both video camera and the TV.
- Select AV/CVBS source
- You can now see the playback picture from the video camera. Note:
- To connect the video camera using other cables, refer to the video camera instruction manual.

Video recorder

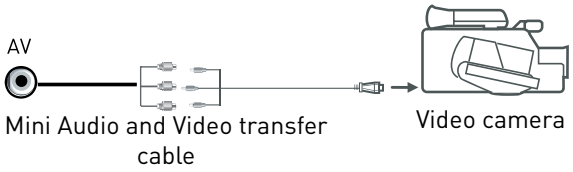
- Connect the Scart cable to the TV and video recorder.
- Turn on both video recorder and the TV.
- Select Scart source
- You can now see the playback picture from the video recorder.

Note:

- To connect the video recorder using other cables, refer to the video recorder instruction manual.



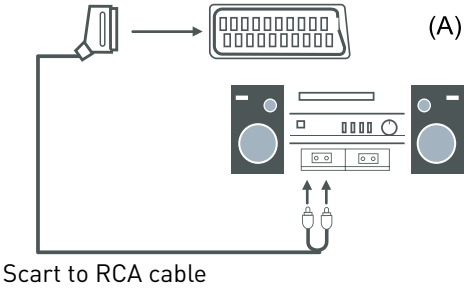
Use Scart adapter cable

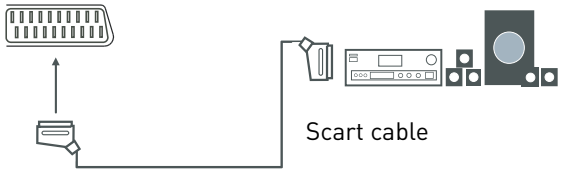


(Mini AV cables is supplied)

Connecting an audio system

You can supply the TV sound to the stereo system (A) with the Scart socket. Use a special Scart cable SCART to RCA. (Please consult your hi-fi instructions for details). If you have a surround sound amplifier/decoder (B) Use the Scart cable or the special Scart cable Scart to RCA.

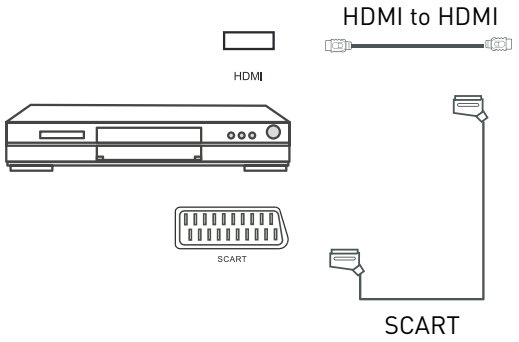




(All illustrated cables are not supplied)

Connecting a DVD player

Connect a DVD player using either a SCART cable or the HDMI cable. (only if your external equipment supports HDMI).



(All illustrated cables are not supplied)

When using the SCART cable

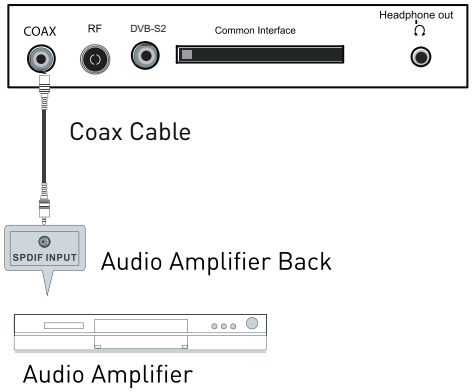
- Switch on the TV
- Switch on the DVD player
- Select SCART as input source

When using the HDMI cable

- Select HDMI as input source

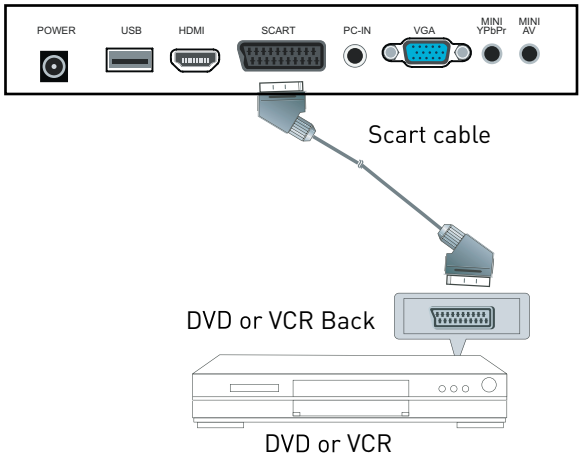
COAX Connection

TV Back



Connect to Audio Amplifier device to the COAX output jack on the TV.

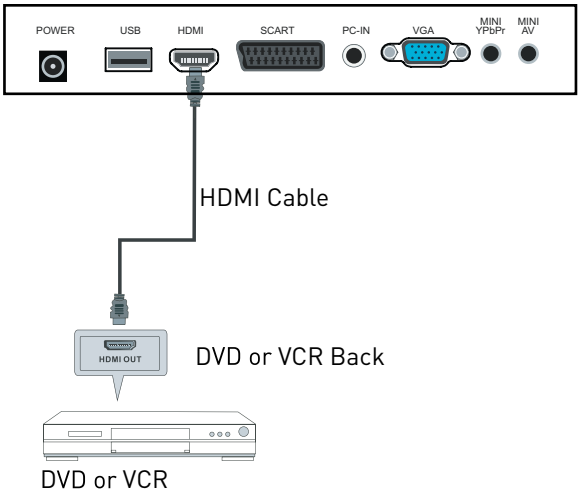
SCART Connection



Connect the SCART connector to the external video item and the SCART connector on the TV. The SCART lead operates as an Input/Output connection. If the tv does not select the SCART input automatically, select SCART using the SOURCE button on the remote control or tv.

HDMI Connection

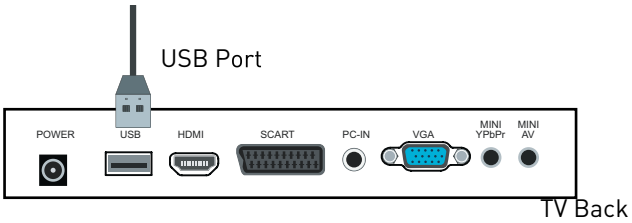
TV Back



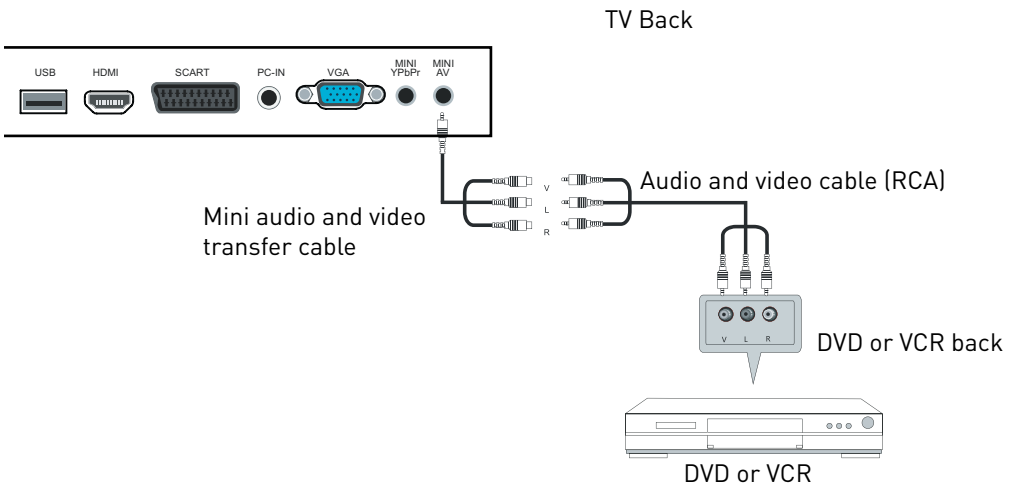
HDMI connection allows the user to transfer all audio/video/control signals through one cable only. These signals are transferred in digital.

USB Connection

Put the USB flash drive in to the USB port, Select the USB channel source using the SOURCE button on the remote control.

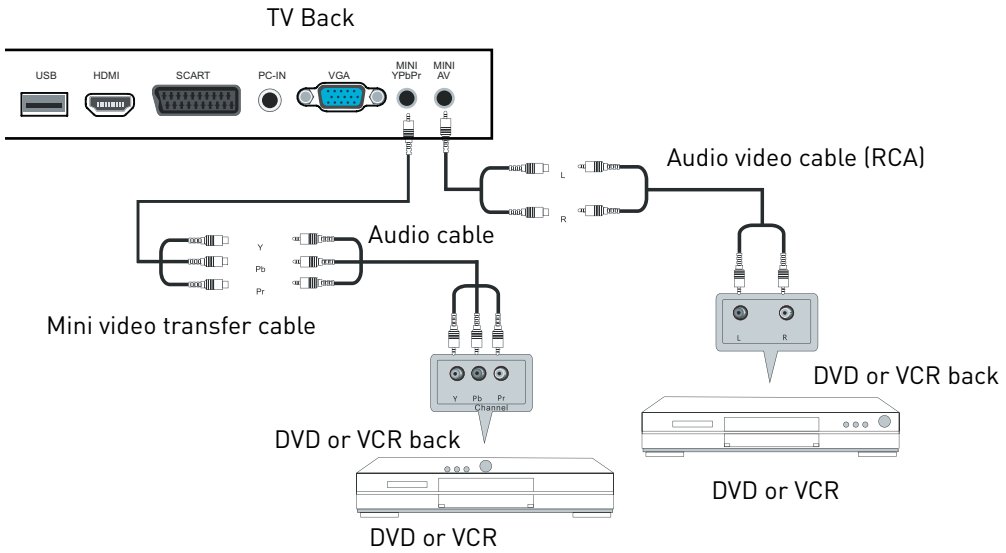


AV Connection



Connect the VIDEO and AUDIO output jack of the DVD or VCR to the VIDEO jacks on the TV set using the RCA cable. Match the jack colors: Video is yellow, Audio left is white, and Audio right is red. Select the AV input source via the SOURCE button on the remote control.

YPbPr Connection



Connect the YPbPr output of the DVD or VCR to the YPbPr input on the TV set. Connect the Audio output of the DVD or VCR to the Audio input jacks on the TV set using the RCA cable.
Match the jacks colors : Y is green, Pb is blue, Pr is red, Audio left is white, and Audio right is red. Select YPbPr input source via the SOURCE button on the remote control.

Common Interface Slot

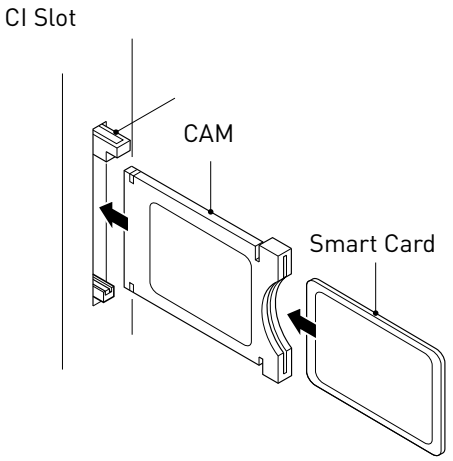
USING YOUR COMMON INTERFACE SLOT

Common Interface

The Common Interface (CI) slot is designed to accept the Conditional Access Module (CAM) and Smart Card in order to view the pay TV programmes and additional services. Contact your Pay Per View TV service provider to get more information about the modules and subscriptions.

NOTE: Conditional Access Module and Smart Cards are sold separately.

WARNING! SWITCH OFF YOUR TV BEFORE ANY MODULE IS INSERTED INTO THE COMMON INTERFACE SLOT, THEN ADD THE SMART CARD TO THE CAM.



1. Turn on the TV and ensure 'DTV' Source is selected.
2. If the CAM is detected the TV will display the following message on the screen. "Common Interface Module inserted" wait for a few moments until the card is activated.
3. Select the relevant digital Pay Per View channel.
4. Detailed information on the Smart Card in use is displayed
5. Press the Ok button to access the card menu. Refer to the Module Instruction Manual for setting details.
6. When the module is removed, the following message will appear on the screen. "Common Interface module removed".

Auto installation setup

Power On / Off the LED TV

To turn on the LED TV

Press the power button on the LED TV or the POWER button on the remote control, the standby indicator will light green.

INSTALLATION MENU OPERATION

INSTALLATION GUIDE

When powering up for the first time the Installation Guide Will appear on screen.

Choose the language using ◀ ▶ buttons and then press OK

Choose the service to install using the ▼ ▲ buttons and then press ok.

You will now see the quick-start menu. Ensure that your signal cable is connected to the TV and press OK 2 times.

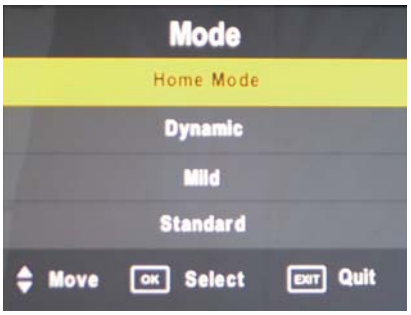
The TV will now install the chosen service and tune all available channels.

You can only install one service at a time but you can return at any time to install additional services by pressing the QUICKSTART button on the handset

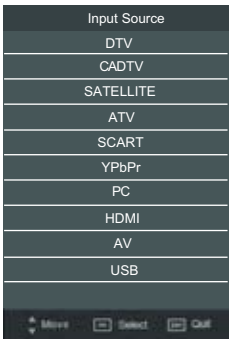
ATV will install an Analogue Television cable service

DTV will install a Digital Terrestrial Television service (DVBT)

During the channel search this menu is displayed showing the progress.



TV SETTINGS Menu



All the above installations can also be accessed through the Main Menu system. In the TV Settings menu.

To access the correct service you need the TV to be in the correct mode, ATV, DTV, cable or Satellite.

Select the mode either from the handset or from the source menu.

When you are in the correct mode, press Menu button on the remote control and enter the TV Settings Menu

Press MENU button to display the main menu, use left/right buttons to select EINSTELLUNGEN menu, press OK or down button to enter the menu. Press MENU or up button to return to the main menu.

NOTE: TV SETTINGS can only be selected under the ATV/ DTV/SATELLITE/CABLE modes, it is disabled whilst in all other modes.

ATV / CABLE SETTINGS

DTV / DVB-T SETTINGS

SATELLITE / DISH SETTINGS

DIGITAL CABLE (DVBC) SETTINGS

Auto Scan

In the Auto Scan menu there are 3 options for you to select from: DVB Select type, Country and Tune Type.

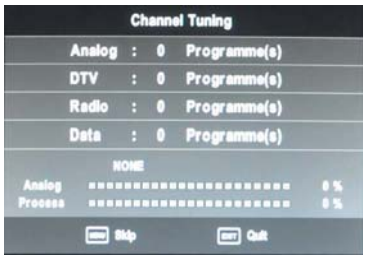
Press ◀ / ▶ to select DVB Select type, Country and Tune Type, press OK to start scanning.

If you select ATV+DTV, the first 50% of the processing is for ATV tuning, while the second 50% represent DTV tuning. When ATV tuning, you can press MENU to Skip ATV tuning and start DTV tuning or press EXIT to exit tuning.

During the channel search this menu is displayed showing the progress.

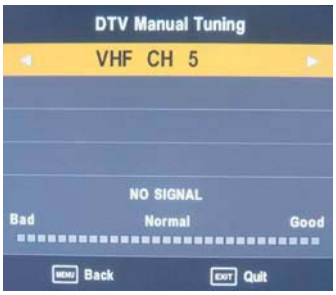
Unlike QUICKSTART the satellite search will search the whole satellite for channels and will not be instant.

Also the channels will appear in the order on the satellite and not the pre-set order.



Auto search replaces any previous searched channels with those of the new search. To add an extra satellite if you have a suitable Dish/LNB/Switch you must use the Dish Installation menu.

DTV Manual Tuning



You can manually tune DTV channels in the TV SETTINGS menu. Press the Left/Right arrow buttons to select the channel you wish to tune, then press OK button to scan for the channel.

CADTV Manual Tuning

You can manually tune CADTV channels in the TV SETTINGS menu.

Frequency

Select Frequency using the ◀▶ buttons.

Symbol (ks/s)

Select the Symbol (ks/s) using the ◀▶ buttons.

QAM Type

Select the QAM Type using the ◀▶ buttons

ATV Manual Tuning

You can manually tune ATV channels in the TV SETTINGS menu.

Storage to

Press the ◀▶ buttons to change the numbered location of the found channel.

System

Select the system using the ◀▶ buttons.

Current CH

Displays the current channel number, press the buttons to choose the channel you wish to modify.

Search

Press the ◀▶ buttons to scan through the frequencies to find new channels.

Fine tune

In case of bad reception, you can press the ◀▶ buttons to make fine adjustments to the tuning. After manual tuning is complete, please press the RED button to save any found channels.

PROGRAMME EDIT

Use up/down keys to select program edit. Press OK or Right button to enter the menu. Use up/down buttons to navigate through the menu

Delete

Press the RED button to delete the highlighted channel, a red circle will appear next to the channel name.

Press the RED button again to confirm delete.

Press the MENU to return to the main menu.

Move

Press ▲▼ to select the channel, press yellow button to enter the move mode, then press ▲▼ to move the channel location, press yellow button again or press OK to confirm.

Press MENU to return to the main menu.

Skip

Press ▲▼ to select the channel you wish to skip.

Press the BLUE button, a logo will appear next to the channel name and the channel will be skipped when you scroll through the channels.

Press the BLUE button again on the highlighted channel to disable the skip function. Press MENU to return to the main menu.

Rename (Only available in ATV)

Modify current channel name.

Press the ◀▶ button to enter RENAME mode, then use the ▲▼◀▶ buttons to change name. Press green button again or press menu button to confirm.

FAV

Select a program, press FAV button to set or delete the program as the favorite channel.

Signal Information

Only available in DTV mode, Signal Information includes: channel /network/modulation/quality /strength.

CI Information

When insert CI Module, display CI Information.

Dish Setup

1. If you do not have a fixed dish aligned to Astra 19.2E fitted with universal LNB you will need to use this section.
2. If you have a fixed Dish aligned to a different Satellite or with a different LNB you will need to use this section.
3. If you have a motorised Dish with a DiSEqC rotator and wish to tune more than one satellite you will need this section.
4. If you are on a DiSEqC switch system you will need this section.

The first 2 installations can be done by most people so long as you know what satellite your dish is aligned with and what type of LNB it is fitted with.

Installation of 3 & 4 require an experienced user or engineer.

To set a different Satellite or LNB

Select Satellite mode, press MENU key, navigate down to the Dish Setup option, press OK. You will see the Satellite Dish Setup menu.

To set Multiple Satellites and LNBs (only possible on multi-LNB dish, switch systems)

Use ▲▼ buttons to select the satellite to which your dish is aligned. Press OK. An arrow will display against the chosen satellite.

Press ▶ button to navigate to LNB section of the menu. Select the LNB type and settings for your LNB. Press the blue Key to search the satellite channels.

Press the Exit button and the ◀ button to select the second satellite.

Use ▲▼ buttons to select the second satellite to which your dish is aligned. Press OK. An arrow will display against the chosen satellite.

Press ▶ button to navigate to LNB section of the menu. Select the LNB type and settings for your second LNB and switch settings.

Press the blue Key to search the satellite channels.

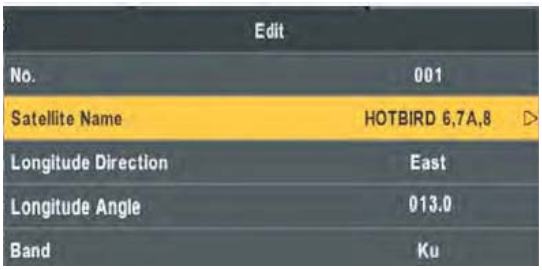
A full description of the advanced Dish set up for multiple satellites using DiSEqC switches and DiSEqC positioner follows. This should only be attempted by experience users.

The Dish set up main menu page displays the main interface. The interface consists of Satellite List, Transponder list and Dish/LNB parameter list

Satellite Edit

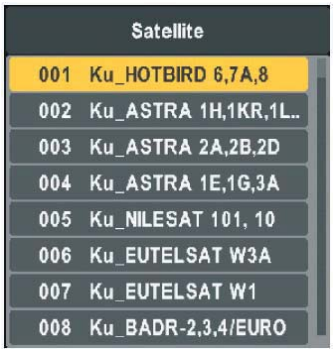
Press the Green button to enter the edit menu Edit parameters as described below

No. The current list number of the selected satellite Satellite name. Edited from the onscreen keyboard press ▶ button to enter.



Satellite List

The Satellite list displays the satellite names.



In the input frame, use ▲▼◀▶ and OK button to select characters.

Extend: Extended characters

Caps On: Change character case. Press OK button to select.

Back: Delete letters, press OK to confirm.

OK: Sure to set the naming of the satellite, and return to Edit Menu

Cancel: Return directly back to edit menu.

Input Frame (On-screen keyboard)

Longitude Direction: Added to determine the location of the satellite. Use the ◀ arrow buttons to select West/ East.

Longitude Angle: Input Longitude. By moving the cursor ◀▶ buttons to enter the satellite longitude.

Band: band selection. Press ◀▶ to select.

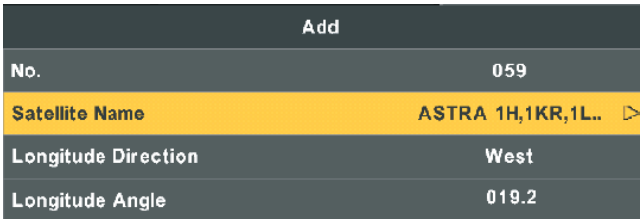
Delete Satellite menu

Press the YELLOW button, the confirmation menu will appear. Press OK to delete.

Add Satellite

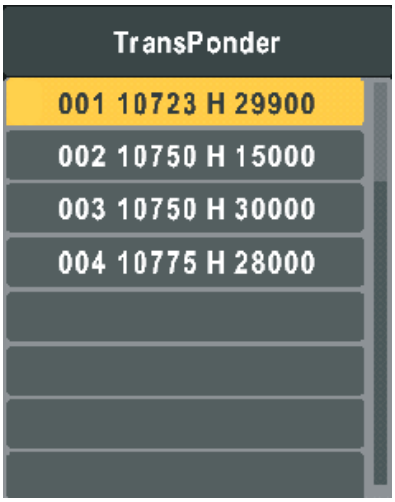
Press the RED button to see the Add menu.

NO: This is the list placing number. This number cannot be manually edited.



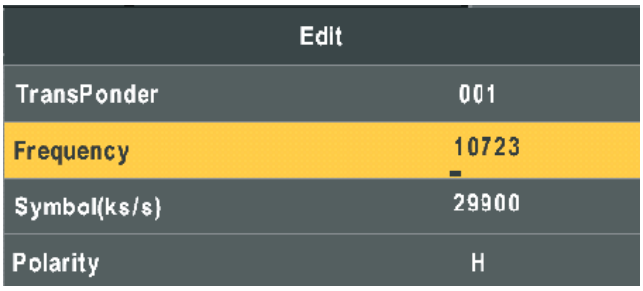
Transponder List

The list shows the transponders for the selected satellite.



Edit Transponder menu

Press GREEN button to enter Transponder edit menu.



No. This is the list placing number. Nr. cannot be manually edited

Frequency: Set the downlink frequency.

Symbol (ks/s): Set the Symbol Rate.

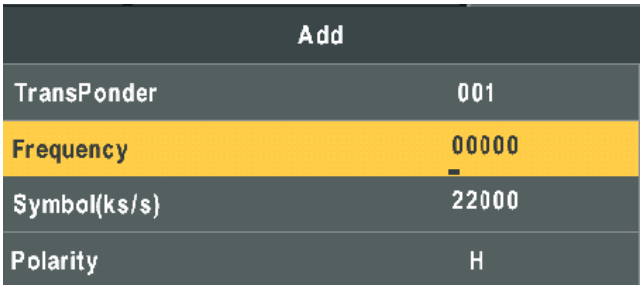
Polarity: (H/V)

Delete Transponder

Press the YELLOW button, the confirmation menu will appear. Press OK to delete.

Add Transponder

Press RED button to enter the add transponder menu.



No. Can not be manually edited.

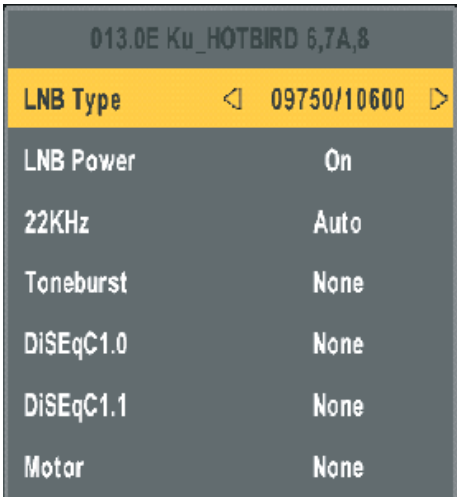
Frequency: Set the downlink frequency.

Symbol (ks/s): Set the Symbol Rate.

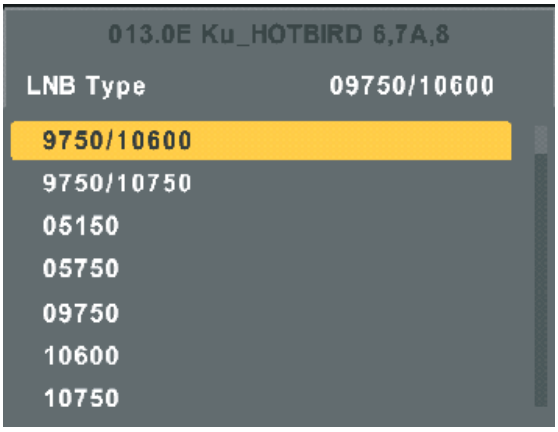
Polarity: (H/V)

Dish Parameter description

LNB Type: LNB Frequency



Highlight the LNB Type , and use the ◀ ▶ buttons and Ok to enter submenu then you can set specific parameters.

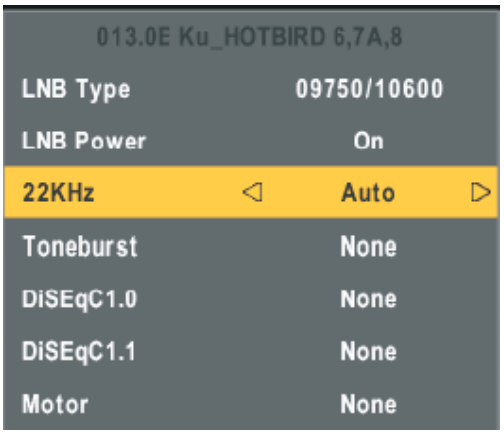


LNB Power: Polarization switching power supply, Press ◀▶ to select On/Off.

On: Allowed to receive Horizontal / Vertical Polarization program.

Off: out-off of supply.

KHz: The level of the LO switch / DS switch (Require the user to have installed 22KHzSatellite signal switch). Press ◀▶ to select Auto/On/Off.



Auto: Automatically issued 22 KHz pulse signal to control switching.

On/Off: Manual control switch.

Tone burst: Double Single Switch (Require users to install Tone burst switch), Press ◀▶ to select Burst A/Burst B/None.

Burst A /Burst B: Manually switch the satellite A/B.

DiSEqC1.0.4: select 1 switch (Require the user device support DiSEqC 1.0 protocol). Press ◀▶ to select LNB1/ LNB2/ LNB3/LNB4/None.

LNB1/LNB2/LNB3/LNB4: Corresponding to a satellite , After selecting the corresponding list will appear in the satellite list.

DiSEqC 1.1: 16 select 1 switch (Require the user device support DiSEqC1 .0 protocol) Equipment needs support DiSEqC 1.1 protocol, Most control 16↑LNB. Press ◀▶ to select LNB1~LBN16/None.

LNB 1-LNB 16: Corresponding to a satellite, After selecting the corresponding list will appear in the satellite list.

Motor: Control of multi-satellite polar (Require the user device support DiSEqC1.2 or DiSEqC1.3 protocol), Left and right buttons to select DisEqC1.2/ DisEqC1.3/None.

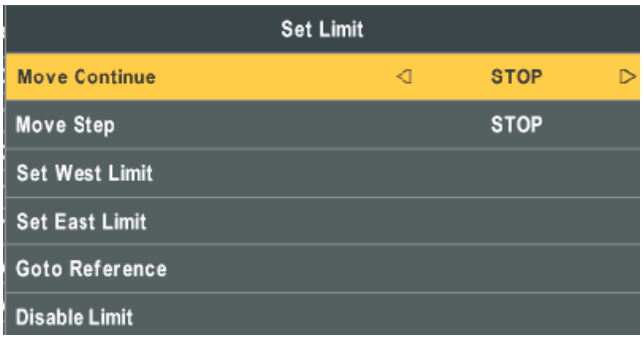
DisEqC1.2: DisEqC1.2 Protocol selection

DisEqC1.3: DisEqC1.3 Protocol selection

For Motor definite "DisEqC1.2" , Operating Instructions:

Press RED button to enter "Set Limit" menu.

Press OK button to enter Set Position menu.



Move Continue: Control of the east or the west continued to turn the polar axis to the desired position.

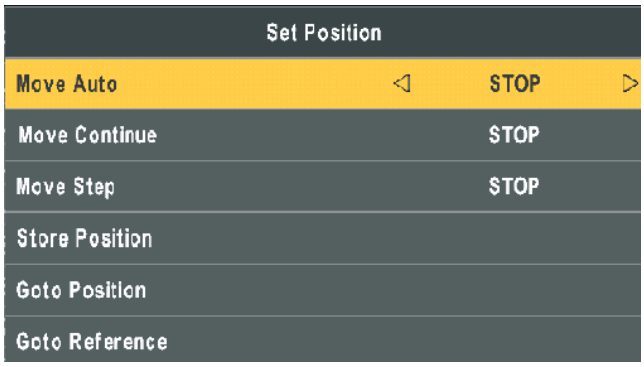
Move Step: Control of the east or west, at a fixed polar axis step rotation.

Set West Limit: The current position is set to the maximum point of the west.

Set East Limit: The current position is set to the maximum point of the east.

Goto Reference: Back to the default values.

Disable Limit: Abolish the current limit set.



Move Auto: East or west of Automatic Control continued to turn the polar axis to the desired position.

Move Continue: Manual control of the east or the west continued to turn the polar axis to the desired position.

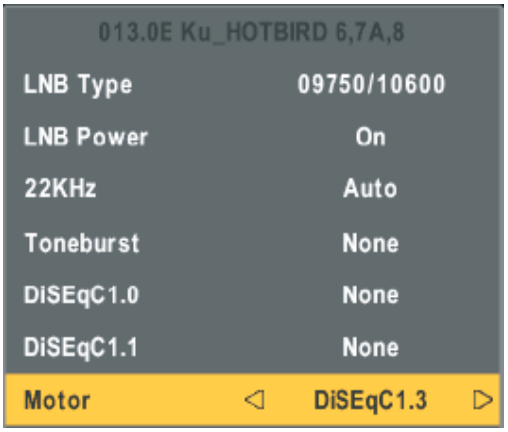
Move Step: Control of the east or west, at a fixed polar axis step rotation.

Store Position: Save the current rotation angle of polar axis.

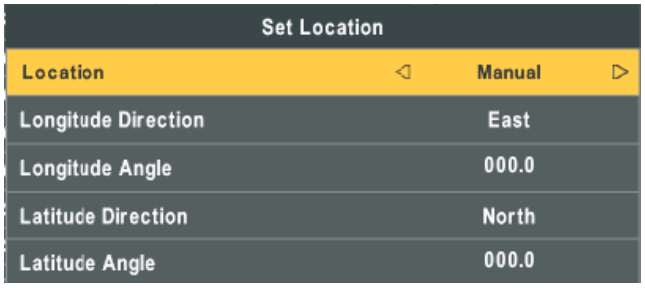
Goto Position: Control the polar angle automatically to the previously saved.

Goto Reference: Control the angle of polar axis automatically to the default. When Motor definite "DisEqC1.3".

Press RED button to enter "Set Limit" and Motor Defined as "DiSEqC1.3" "Set Limit' menu same.



Press GREEN button to enter Set Location menu.



Location: Select the user area or similar areas, if the user is not in the system default settings when in these areas, can select Manual custom settings.

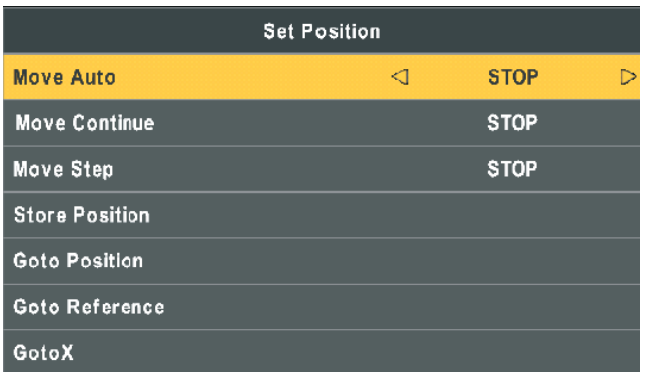
Longitude Direction: Select the user area in the east longitude or longitude.

Longitude Angle: Longitude angle. Select the user area in which the longitude, Enter the appropriate values to move the cursor.

Latitude Direction: Select the user area in the latitude or latitude.

Latitude Angle: Select the user latitude area, Enter the appropriate values to move the cursor.

Press OK button to enter Set Position menu.



Move Auto: East or west of Automatic Control continued to turn the polar axis to the desired position.

Move Continue: Manual control of the east or the west continued to turn the polar axis to the desired position.

Move Step: Control of the east or west, at a fixed polar axis step rotation.

Store Position: Save the current rotation angle of polar axis.

Goto Position: Control the polar angle automatically to the previously saved.

Goto Reference: Control the angle of polar axis automatically to the default.

GotoX: Area based on user input parameters, Automatically calculate the satellite over the area,

Control the polar axis rotation to the right place.

Scan Menu

When all the parameters after. Press BLUE button to Tuning the setup menu to enter.

Scan Mode: Scan from Default, Blind Scan and Network to select.

Default: Default search program.

Blind Scan: Searches all the programs for the LNB settings. (This is a long search but will find all channels including new Channels).

Network: Search the known channel frequencies for the selected LNB & Satellite settings at the time of manufacture. (This will be the quickest search)

Channel Type: FTA (Free to Air) or ALL (Free to Air and Pay Channels)

Service Type: DTV (DVB TV) or Radio (DVB Radio) or both DTV & Radio

Polarization: Polarization of the LNB (Low noise Block), (H) Horizontal or (V) Vertical Or Auto (according to the settings in the LNB set-up pane.)Menu Settings

MENU SETTINGS

Picture menu

Picture Mode: Choose from Standard, Dynamic, User and Mild.

Note: Contrast, Brightness, Colour and sharpness are only available and can be adjusted in the User mode option in the Picture Mode Settings.

Contrast: Controls the difference between the brightest and darkest regions of the picture.

Brightness: Controls the overall brightness of the picture.

Colour: Control the colour.

Sharpness: Increase this setting to see crisp edges in the picture; decrease it for soft edges.

Tint: Controls the tint (NTSC mode only).

Colour Temperature: Choose from Medium, Cool, User and Warm.

Red: Controls the red colour of the picture.

Green: Controls the green colour of the picture.

Blue: Controls the blue colour of the picture.

Aspect Ratio: Choose from , 4:3, 16:9, Zoom1, Zoom2, and Panorama.

Noise Reduction: Choose interference noise modes from Off, Low, Middle, High and Default.

SOUND menu

Sound Mode: Allows you to select among: Standard, Music, Movie, Sports and User.

Treble (Can be adjusted when the sound mode is set to User): Controls the relative intensity of higher pitched sounds.

Bass (Can be adjusted when the sound mode is set to User): Controls the relative intensity of lower pitched sounds.

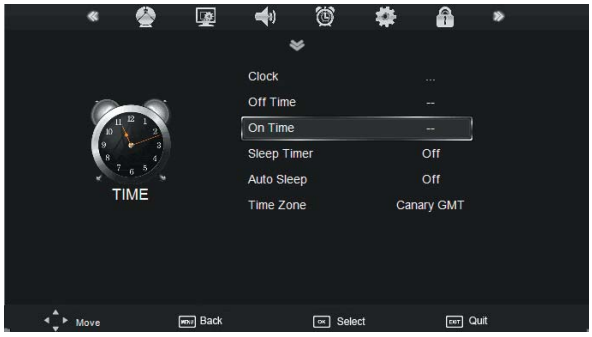
Balance: To adjust the balance of the left and right speakers audio output, or turn off the volume of the left or right speaker.

Auto Volume: This feature automatically adjusts the audio level when the TV is turned on. This function is activated by selecting "On".

Surround Sound: Turn on / off the surround sound function by selecting "off" or "on"

SPDIF MODE: Allows you to select among: Off, PCM and Auto.

TIME menu



Clock: Use the < and > buttons to select the position, and use the ∨ and ∧ buttons to set the time.

Note: User can not change time manually during DTV mode, for time is from signal source directly.

Off Time: Press OK button to enter the submenu, you could set the time when the TV set will be turned off automatically, you could also set the frequency.

On Time: Press OK button to enter the submenu, you could set the time when the TV set will be turned on automatically, you could also set the frequency, volume and program.

Sleep Timer: Allows you to setup the sleep timer among: 10min, 20min, 30min, 60min, 90min, 120min,180min, 240min and off.

Auto Sleep: Turn on/off the auto standby function.

Time Zone: Allows you to select the time zone.

OPTIONS menu

OSD Language: Allows you to select the on screen display menu language.

Audio Language (can only be selected in DTV mode): Select the audio language.

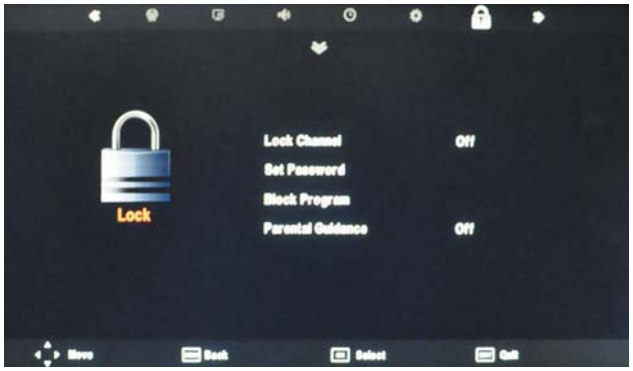
Subtitle Language (can only be selected in DTV mode): Select the subtitle language.

Menu Time Out: Allows you to setup the length of time that the on screen display is visible: 5s, 10s, 15s, 20s, 25s, 30s, 35s, 40s.

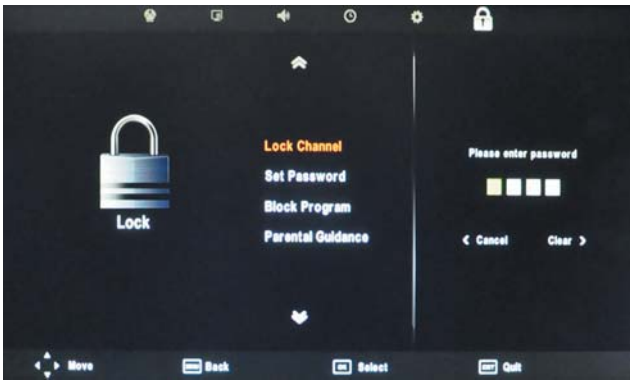
Country: This is defaulted to Germany, but can be changed by using the Auto tune function.

Restore Setting: Press the OK button to restore the factory default settings.

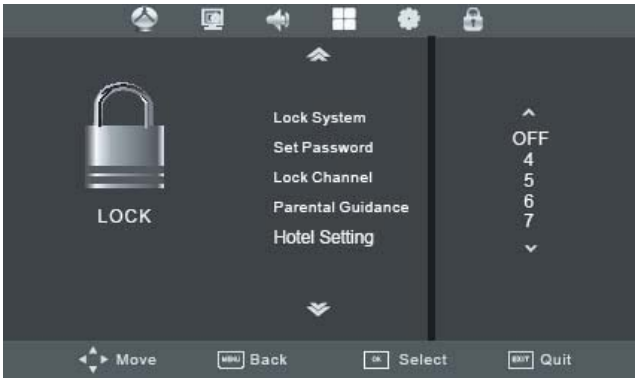
LOCK menu



The password must be entered to access the Lock Menu. The default password is 0000. Once inside the menu you can change the password to your own choice.

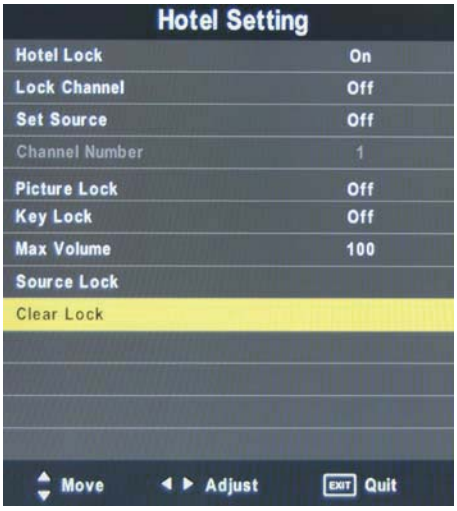


Channel lock is used to block selected Channels



Parental Guidance blocks programmes according to their parental level.

7.Hotel Mode



Hotel Lock : Press ▲ and ▼ to select **Hotel Lock** and press ▶ to select the ON or OFF.

Lock Channel : If current **SOURCE LOCK** is TV, press ▲ and ▼ select CHANNEL LOCK and then use ▶ to select the ON or OFF. When choosing on, in channel menu, user can not operate the singal channel reveiving, channel editing and so on.

Set Source: Press ▲ and ▼ to select **Set Source** and press ▶button to select the source for the initial input source.

Channel Number: If Set Source is **TV / DTV Radio** or **DTV Video**, press ▲ and ▼ button select Channel Number and then use ▶ to select the program number.

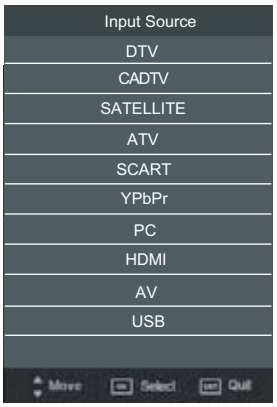
Picture Lock: Press ▲ and ▼ to select **Picture Lock,** if **Picture Lock** is **On,** the picture menu will not be shown.

Key Lock: Press ▲ and ▼ select **Key lock** and then use ▶ to lock the buttons on the TV set.

Max Volume: Press ▲ and ▼ select **Max Volume** and then use ▶ to select the max volume of the sound.

Source Lock : Press ▲ and ▼ to select **Source Lock** and press ▶ to select the source for prohibiting any external input.

Note: The current using channels can not be locked.



Clear Lock : Press ▲ and ▼ to select **Clear Lock** and press ▶ to cancel all the settings of lock, it means set all the locks to OFF; preset channel to OFF, max volume to 100.

Multimedia Operation

Basic Operation

1). Press the INPUT button on the remote control to display the input source menu, select USB source by the ◀ / ▶ buttons, and press OK button to enter the Multimedia menu seen below.

2). Insert USB device, you will find the name of the device display on the screen.

MAINS MENU
PHOTO MUSIC MOVIE TEXT

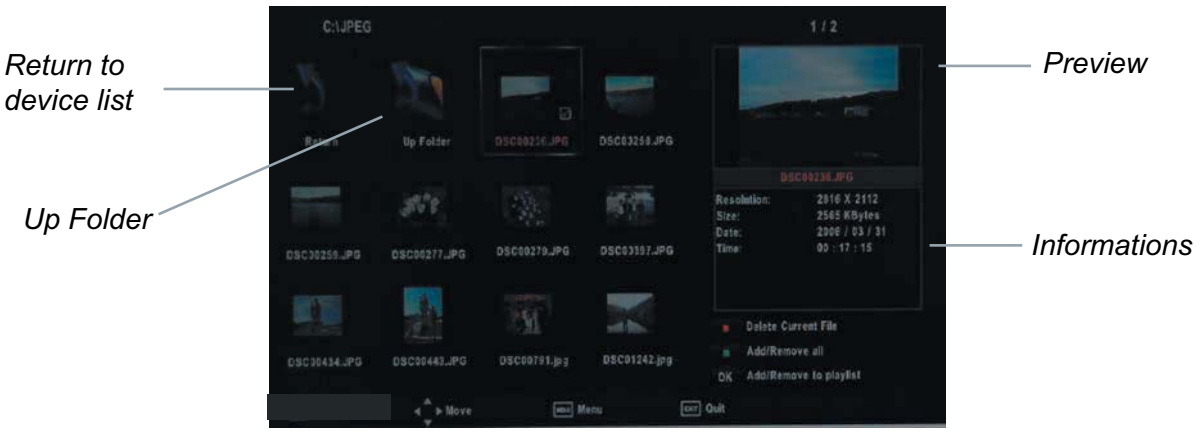
USB device list

MAINS MENU
PHOTO MUSIC MOVIE TEXT

Hints for operation

Hints and informations of USB device

3). Press ◀ / ▶button to select the kind of the files in the device you want to program from PHOTO, MUSIC, MOVIE and TEXT. Press ▲ / ▼ button to select the device and press OK button to enter.



Return to device list

Up Folder

Preview

Informations

Press ◀/ ▶ / ▲ / ▼ buttons to move , and press OK button to select the file or unfold the folder, Then press ▶button to program the files (be signed) you select or the files in the fold you select, You can display the option table on the bottom of the screen by **OK** button, press ■ button to hide. Press ■ button to stop and exit the full screen program.

Multimedia Operation

1. Photo

Play the photo

Press ◀ / ▶ button to select the option on the table, and press **OK** button to change.

Repeat: Select the repeat mode from Repeat All, Repeat 1, Repeat None.
Music: Play/pause the music program (you can only play or pause the music you have programed).
Playlist: Display the playlist on the screen, and you can select the photo by ▼ /▲ button, and press **OK** button to program. Press ◀ / ▶ button to return to the options table.
Info: Display the information of the photo.
Rotate: Rotate the photo clockwise/counterclockwise.
Zoom Out/In: Zoom out/in the photo.
Move View: Move the photo in Zoom out mode.

2. Music

Play the music

Press ◀ / ▶ button to select the option on the table, and press **OK** button to change.
Press ▼/ ▲ button to select the music, and press **OK** button to program.

Repeat: Select the repeat mode from Repeat All, Repeat 1, Repeat None.
Goto Time: Program the music form the time you set.
Press **OK** button to display the time table, and select the position by ◀ / ▶ / ▼/ ▲ button, set the time by the number buttons, select “OK” and press OK button to search.
Screen Saver: Press **BLUE** button to enter the Screen Saver mode, press again to exit.

Multimedia Operation

3. Movie

Play the movie

Press ◀ / ▶ button to select the option on the table, and press **OK** button to change.

Repeat: Select the repeat mode from Repeat All, Repeat 1, Repeat None.
Set A-B: Select and play the preferable paragraph of the program by seting A and B at the beginning and end, and there will be a sign on the left screen, press **OK** button again to cancel.
Playlist: Display the playlist on the screen.
Info: Display the information of the movie.
Slow: Play the programs at slow speed, press ▶ button to cancel.
Step: Step the programs by **OK** button, press ▶ button to cancel.
Goto Time: Program the movie form the time you set.
Zoom out/in: Zoom out/in the movie screen.
Aspect Ratio: Select the aspect ratio of the screen display.
Move View: Move the photo in Zoom out mode.

4. Text

Play the text

Press ◀ / ▶ button to select the option on the table, and press **OK** button to change.

Prev/Next page: Turn to previous/next page of the text.
Prev./Next: Turn to previous/next file.
Stop: Stop auto turning pages.
Music: Play/pause the music program.
Playlist: Display the playlist on the screen.
Info: Display the information of the text.

Recording Operation

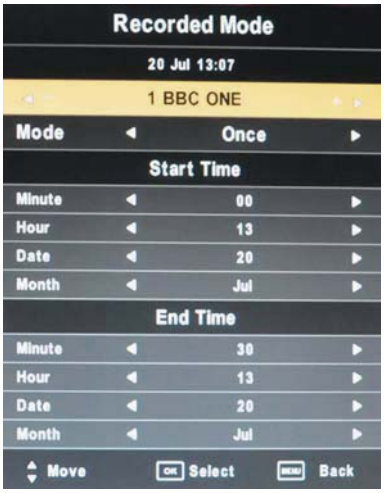
PVR settings

Press the MENU button, and select CHANNEL menu.

1). Recorded List

Display the recorded list
Recorded list: Display the Recorder List menu, and changed the mode of program.
INFO: Display the information of the program you recorded.
RED button: Delete the program you select.

2). Recording Timer

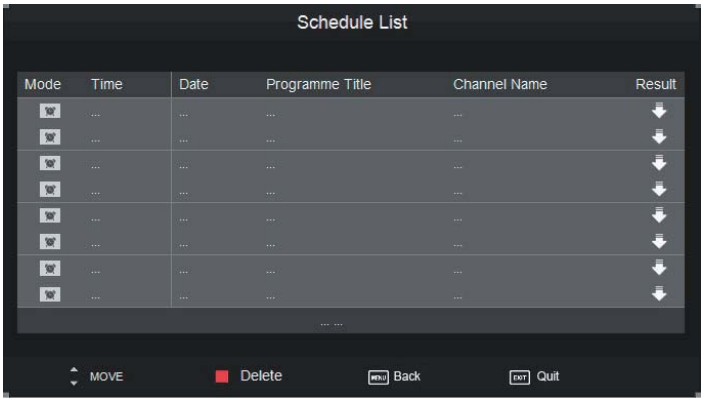


Set the recording timer
The TV will record the program automatically according to your settings.

TITLE: Display the name of the recording program.
MODE: Select the record mode.
Start Time: Select the start recording time.
End Time: Select the end recording time.
Press **OK** button to save the setting and exit the menu.

Recording Operation

3). Schedule List



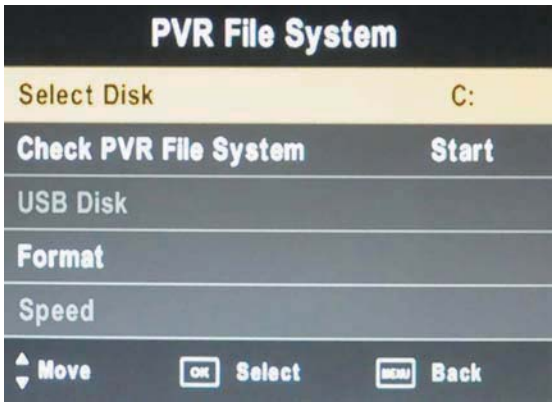
Display the recorder shedule

Note: a. Could't add shedules which have existent on the list;

b. Could't add shedules when the list is full, you have to delete some schedules;

c. You could delete a schedules by RED button on the remote control.

4). PVR File System



Setup the PVR File system before you start recording.

Select Disk: Select the device for the Record files.

Check PVR File System

USB Disk: Display the USB state.

Format: Format the USB device for PVR operating.

Time Shift Size: Display the size of the USB device (The device has been formated).

Speed: Display the speed of the USB device (The device has been formated).

Recording Operation

5) Record Start

When you finish the settings above, you could start recording by select **Start Recording** in the menu and press OK button in DTV and DVBS mode. (You can also start recording by press the ● button on the remote control)

Record buttons

● **Recording:** Press to enter the recording mode.

II **PAUSE:** Press to enter the timeshift mode.
Recording list: Press to display the recording list.

■ **Stop:** Press to stop recording.

Recording menu

When you press ● REC button, the screen will display the recording menu as below:

Full mode

Simple mode

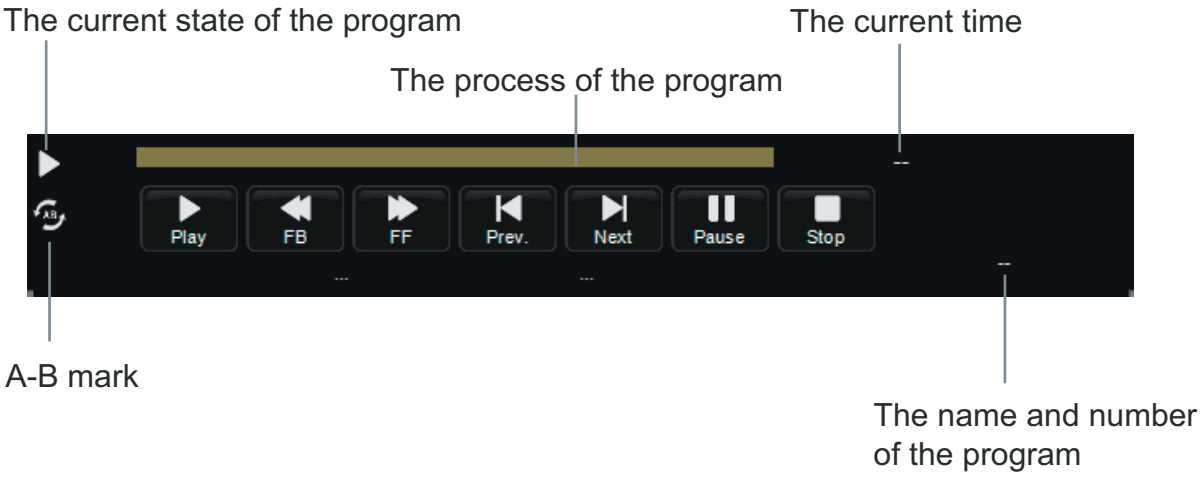
Note: a. You could change the mode of Recording menu by REC/Exit button.
b. Press STOP button to exit the recording mode.
c. Press PLAY button to play the program you are recording from the beginning.
d. Press Recording list button to display the Recorder list, and you could play the program you selected. The recording will be going on, and the Recording menu will display when you exit the Recorder list.

Timeshift

Press PAUSE button to enter the Timeshift mode, and the picture will be paused, the recording will begin.

Note: a. You could change the mode of Timeshift menu by REC/Exit button.
b. Press STOP button to exit the Timeshift mode.
c. Press PLAY button to play the program you are recording from the beginning.

Playback



TROUBLE SHOOTING GUIDE

To assist in locating possible faults use the help guide below.

SYMPTOM	SOLUTION
No Picture, no sound	Check that the TV is correctly plugged in. Check that the TV is connected to a suitable power source. Check the electrical supply is turned on.
No Picture	Ensure that the TV is powered on. Check that the cables are fitted securely. Ensure the aerial and/or external sources are connected. Press the SOURCE button to change the source. Turn the TV on or off.
No Sound	Press the MUTE button and check if Mute mode is set. Switch to another channel and see if the same problem occurs. Press V+ button to see if the problem can be solved.
No picture on some channels	Check that correct channel is selected. Adjust the antenna.
No colour on some channels (black &white)	Check if the same problem exists on other channels. Ensure the correct picture settings are selected.
Noisy, Snowy, Ghosting picture.	Check the antenna is connected correctly. Check that the antenna Is in good condition. Try moving the antenna.

If none of the suggestions seem to work, try switching your TV off and then on again. If this does not work contact our technical helpline.

NOTE: The TV must only be repaired by a qualified registered service person. Never attempt to remove the back cover as the TV has dangerous voltages inside that may cause fatality or fire.

TECHNICAL SPECIFICATIONS

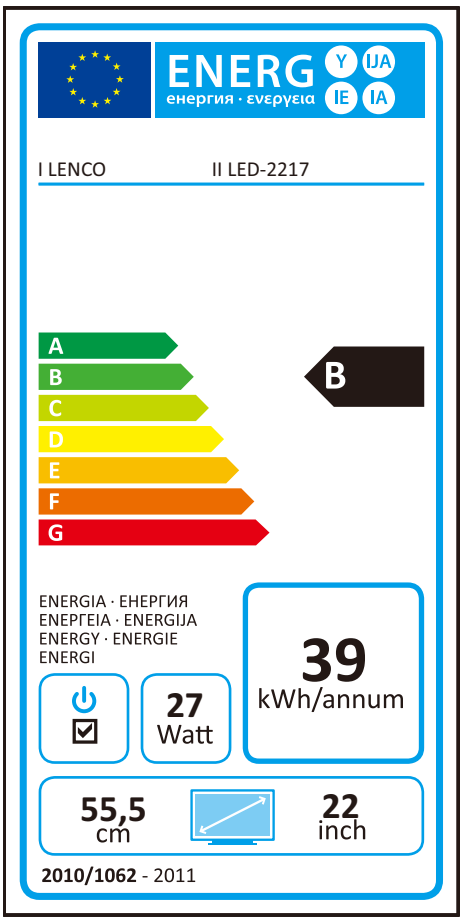
Specifications of the TV that you have just purchased may vary from the information in this table due to technical innovations.

TV Specifications

TV System	SECAM/BG/DK/L/L'
Audio System	BG/DK/I/L/L'
Screen size	21.6(Diagonal)
Resolution	1920 x 1080 Pixel(RGB)
Aerial input	75 Ohm (unbalanced)
Audio output power	2 x 3W
Power requirements	12V ⎓ 3.33A
Power consumption	40W
Standby power consumption	<0.5W
Weight	4.2/4.9Kg

Remote control specifications

Type	Infrared
Control distance	5m
Control angle	30 degrees (Horizontal)
Batteries	2 x 1.5V, Size AAA
Dimensions	48 x 193 x20mm
Weight	120g (without batteries)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